

# TROPICAL DISEASES BULLETIN

ISSUED UNDER THE DIREC-  
TION OF THE HONORARY  
MANAGING COMMITTEE

---

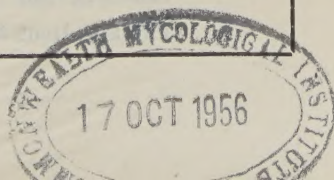
VOL. 51 (Nos. 1-12)  
JANUARY—DECEMBER, 1954

---

London:  
BUREAU OF HYGIENE AND TROPICAL DISEASES,  
Keppel Street, W.C.1.

---

1954



# HONORARY MANAGING COMMITTEE

APPOINTED BY THE SECRETARY OF STATE FOR THE COLONIES

*Chairman:* Sir Eric Pridie, *K.C.M.G., D.S.O., O.B.E., M.B., B.S., F.R.C.P.*  
(*Chief Medical Officer, Colonial Office*)

Professor Patrick A. Buxton, *C.M.G., M.A., M.R.C.S., L.R.C.P., D.T.M. & H., F.R.S.*  
(*representing the Royal Society*)

Sir John Charles, *M.D., F.R.C.P., D.P.H.*  
(*representing the Ministry of Health*)

Lieut.-General Sir James Bennett Hance,  
*K.C.M.G., K.C.I.E., O.B.E., M.D., F.R.C.S.Ed., I.M.S. (retd.)*

Sir Harold P. Himsworth, *K.C.B., M.D., F.R.C.P.*  
(*representing the Medical Research Council*)

Sir Wilson Jameson, *G.B.E., K.C.B., M.D., F.R.C.P.*

Professor G. Macdonald, *C.M.G., M.D., M.R.C.P., D.P.H., D.T.M.*

Sir Philip Manson-Bahr, *C.M.G., D.S.O., M.D., F.R.C.P., D.T.M. & H.*

E. R. A. Merewether, *C.B.E., M.D., F.R.C.P., F.R.S.E.*

J. D. Sidebotham, *C.M.G., M.A. (of the Colonial Office)*

Andrew Topping, *C.M.G., T.D., M.A., M.D., F.R.C.P., D.P.H.*

*Secretary:* G. J. Lunnon, *M.B.E. (of the Colonial Office)*

## STAFF OF THE BUREAU

Charles Wilcocks, *C.M.G., M.D., F.R.C.P., D.T.M. & H., Director*

H. J. O'D. Burke-Gaffney, *O.B.E., B.A., M.D., Assistant Director*

John Rathborn, *B.A., Secretary*

Joan E. D'Arcy Hart (*Asst. Sec.*)

F. W. Norfolk

Peggy Carolan

J. W. Priestley

Alice D. Crump

Sylvia Russo

Phyllis V. Hunt, *M.A., B.Litt.*

Delphine A. Sowman

## LIST OF ABSTRACTERS

- A. R. D. Adams, M.D., F.R.C.P., D.T.M.  
 D. J. Bauer, M.B., B.Chir., Ph.D.  
 D. Evan Bedford, M.D., M.R.C.S., F.R.C.P.  
 D. S. Bertram, B.Sc., Ph.D.  
 J. H. Birkinshaw, D.Sc., F.R.I.C.  
 J. T. Boyd, M.B., Ch.B., D.P.H.  
 J. C. Broom, *O.B.E.*, M.D.  
 Professor J. J. C. Buckley, D.Sc.  
 H. J. O'D. Burke-Gaffney, *O.B.E.*, B.A., M.D.  
 J. R. Busvine, Ph.D., D.Sc.  
 Professor P. A. Buxton, *C.M.G.*, M.A.,  
 M.R.C.S., L.R.C.P., D.T.M. & H., F.R.S.  
 J. Cauchi, M.D., D.P.H.  
 D. P. Choyce, B.Sc., M.B., B.S., F.R.C.S.,  
 L.R.C.P.  
 Maj.-Gen. Sir G. Covell, *C.I.E.*, M.D., D.P.H.,  
 D.T.M. & H., I.M.S. (retd.)  
 Professor J. C. Cruickshank, M.D., D.T.M.,  
 Dip. Bact.  
 Professor T. H. Davey, *O.B.E.*, M.D., D.T.M.  
 R. F. A. Dean, M.R.C.S., L.R.C.P.  
 Professor M. E. Delafield, *M.C.*, M.B., B.Ch.,  
 D.P.H.  
 G. W. A. Dick, B.Sc., M.D., M.R.C.P. (Ed.),  
 M.P.H.  
 Col. W. R. M. Drew, *C.B.E.*, B.Sc., M.B.,  
 B.S., F.R.C.P., D.T.M. & H.  
 J. T. Duncan, F.R.C.S., L.R.C.P. (Ire.),  
 D.T.M. & H.  
 Thomas E. Fletcher, B.Sc.  
 Forrest Fulton, D.M.  
 J. D. Fulton, M.A., B.Sc., Ph.D., M.B.,  
 Ch.B., D.T.M.  
 Professor P. C. C. Garnham, M.D., D.Sc.,  
 M.R.C.S., L.R.C.P., D.P.H.  
 Professor L. P. Garrod, M.D., F.R.C.P.  
 M. Gelfand, *O.B.E.*, M.D., F.R.C.P.  
 M. T. Gillies, M.B., B.Chir., M.R.C.S.,  
 L.R.C.P., D.T.M. & H.  
 C. C. B. Gilmour, *O.B.E.*, M.A., M.B.,  
 Ch.B.  
 R. L. Gordon, B.Sc., Ph.D., A.Inst.P.  
 Professor R. M. Gordon, *O.B.E.*, M.D., Sc.D.,  
 F.R.C.P., D.P.H.  
 R. B. Griffiths, B.V.Sc., M.R.C.V.S.  
 C. J. Hackett, M.D., Ph.D., F.R.C.P., D.T.M.  
 & H.  
 J. S. Harington, B.Sc.  
 Lieut.-Col. W. L. Harnett, *C.I.E.*, M.A., M.D.,  
 F.R.C.P., I.M.S. (retd.)  
 Miss C. M. Harrison, B.Sc., Ph.D.  
 F. Hawking, D.M., D.T.M.  
 Edward Hindle, M.A., Sc.D., Ph.D., F.R.S.  
 C. A. Hoare, D.Sc., F.R.S.  
 Miss Anne Hudson, B.Sc.  
 W. Russell Hunter, B.Sc., Ph.D., F.G.S.  
 Lieut.-Col. E. W. O'G. Kirwan, *C.I.E.*, M.Sc.,  
 M.D., F.R.C.S.I., I.M.S. (retd.)
- G. Lapage, M.D., M.Sc.  
 M. Lavoipierre, M.B., Ch.B.  
 H. S. Leeson, F.R.E.S.  
 H. Lehmann, Ph.D., M.D., F.R.I.C.  
 P. L. LeRoux, D.Sc., M.R.C.V.S.  
 Professor R. Lovell, D.Sc., Ph.D., M.R.C.V.S.,  
 D.V.S.M.  
 Claude Lillingston, M.D.  
 Professor G. Macdonald, *C.M.G.*, M.D.,  
 M.R.C.P., D.P.H., D.T.M.  
 Col. Sir George R. McRobert, *C.I.E.*, M.D.,  
 F.R.C.P., D.T.M. & H., I.M.S. (retd.)  
 Professor B. G. Maegraith, M.A., M.B., B.S.,  
 B.Sc., D.Phil., M.R.C.P.  
 Sir Philip Manson-Bahr, *C.M.G.*, *D.S.O.*,  
 M.D., F.R.C.P., D.T.M. & H.  
 Maj.-Gen. Sir John W. D. Megaw, *K.C.I.E.*,  
 D.Sc., M.B., B.Ch., I.M.S. (retd.)  
 Kenneth Mellanby, *C.B.E.*, Sc.D.  
 D. M. Minter, B.Sc.  
 B. Moore, B.Sc., M.B., B.Ch., B.A.O.  
 Ernest Muir, *C.M.G.*, *C.I.E.*, M.D., F.R.C.S.  
 Ed.  
 R. C. Muirhead-Thomson, D.Sc., B.Sc.  
 L. E. Napier, *C.I.E.*, F.R.C.P.  
 Professor C. L. Oakley, B.Sc., M.D., B.S.  
 T. E. Osmond, B.A., M.B.  
 Lieut.-Col. R. Passmore, M.A., D.M., I.M.S.  
 (retd.)  
 W. H. Potts, M.A.  
 John Rathborn, B.A.  
 D. D. Reid, M.D., Ph.D.  
 J. A. Fraser Roberts, M.A., D.Sc., M.D.,  
 F.R.C.P., F.R.S.E.  
 Sir H. Harold Scott, *K.C.M.G.*, M.D.,  
 F.R.C.P., D.P.H., D.T.M. & H.  
 G. R. Shidrawi, B.A.  
 Professor Dean A. Smith, *O.B.E.*, M.D.,  
 D.T.M. & H.  
 R. V. Southcott, M.B., B.S., D.T.M. & H.  
 Professor E. T. C. Spooner, M.A., M.D.  
 G. Stuart, *O.B.E.*, M.D., D.P.H.  
 Maj.-Gen. Sir John Taylor, *C.I.E.*, *D.S.O.*,  
 M.D., D.P.H., I.M.S. (retd.)  
 M. L. Thomson, B.Sc., M.B., Ch.B.  
 Miss Barbara Tredre, B.Sc.  
 R. Ford Tredre, M.D., D.P.H., D.T.M. & H.  
 M. G. R. Varma, B.Sc.  
 F. Norman White, *C.I.E.*, M.D., D.P.H.,  
 I.M.S. (retd.)  
 Charles Wilcocks, *C.M.G.*, M.D., F.R.C.P.,  
 D.T.M. & H.  
 Cicely D. Williams, B.A., D.M., Ch.B.,  
 F.R.C.P., D.T.M. & H.  
 M. C. Williams, M.B., B.S., D.T.M. & H.  
 H. T. H. Wilson, M.A., M.D., M.R.C.P.  
 Professor A. W. Woodruff, M.D., Ph.D.,  
 F.R.C.P., D.T.M. & H.

# CONTENTS

## SPECIAL ARTICLES

The Importance of Malacology in Helminthology. Charles Wilcocks .. .. .	329-331
Recommendations on the Use of Antimalarial Drugs. Malaria Sub-Committee of the Colonial Medical Research Council .. .. .	861-867

## SUMMARIES OF RECENT ABSTRACTS (1953)

Cholera .. .. .	3-5	Plague .. .. .	591-595
Helminthiasis 663-671, 782-790		Trypanosomiasis .. .. .	367-373
Leishmaniasis .. .. .	471-474	Typhus Group of Fevers	893-900
Leprosy .. .. .	987-995	Yellow Fever .. .. .	77-79
Malaria 175-182, 263-273			

## SECTIONS

Amoebiasis and Intestinal Protozoal Infections .. .. .	59-64, 177-184, 267-269, 384-388, 485-488, 582-590, 692-697, 795-796, 919-930, 1061-1065, 1159-1164, 1245-1252
Bartonellosis .. .. .	50-51, 258, 565-566
Blackwater Fever .. .. .	680
Book Reviews .. .. .	128, 443-444, 520, 661-664, 747-748, 860, 1018-1020, 1125-1128, 1211-1212, 1319-1324
Cholera .. .. .	58, 176-177, 381-383, 580-582, 690-692, 916-918, 1060-1061, 1154-1159, 1244
Deficiency Diseases .. .. .	89-92, 206-209, 300-302, 424-425, 626-627, 713-718, 823-828, 968-973, 1088-1092, 1183-1187, 1284-1285
Dengue and Allied Fevers .. .. .	54, 568, 910-912, 1056-1057
Dermatology and Fungus Diseases .. .. .	107-111, 221-223, 307-310, 430-432, 511-512, 637-640, 730-731, 835-836, 981-984, 1104-1107, 1190-1193, 1292-1297
Dropsy, Epidemic .. .. .	426, 723, 1189
Entomology and Insecticides: General Zoology .. .. .	119-122, 227-234, 312-326, 436-440, 514-518, 647-655, 738-746, 844-856, 991-1007, 1110-1121, 1198-1204, 1303-1315
Haematology .. .. .	97-100, 209-212, 303-305, 425-426, 508-509, 628-632, 718-723, 828-833, 974-976, 1093-1098, 1187-1189, 1286-1289
Heat Stroke and Allied Conditions .. .. .	112-113, 223, 310-311, 733, 838-839, 1195-1196
Helminthiasis .. .. .	68-89, 188-205, 280-300, 393-423, 496-507, 601-626, 701-713, 808-823, 945-968, 1070-1088, 1169-1182, 1259-1284
Laboratory Procedures .. .. .	123, 518, 1007-1008, 1122, 1315-1316
Leishmaniasis .. .. .	37-43, 159-163, 255, 474-478, 553-561, 681-682, 783-785, 899-901, 1047-1048, 1152-1153, 1232-1233

**CONTENTS—cont.****SECTIONS—cont.**

Leprosy ..	67, 187, 270-280, 391-393, 489-496, 592-601, 698-701, 802-808, 933-944, 1067-1070, 1167-1168, 1252-1259	
Malaria .. .. .	3-25, 132-150, 248-253, 342-356, 453-470, 525-542, 667-679, 758-777, 877-889, 1028-1042, 1138-1147, 1213-1230	
Miscellaneous Diseases ..	113-116, 224-225, 432-434, 512-513, 642, 733-736, 839-842, 986-989, 1108-1109, 1299-1301	
Miscellaneous Papers ..	123-127, 440-441, 1008-1009, 1122-1124, 1205	
Ophthalmology, Tropical ..	111, 640-641, 731-733, 836-838, 984-985, 1108, 1193-1195, 1297-1299	
Parasitology: General ..	117-118, 225-227, 311-312, 435-436, 513, 642-647, 736-738, 842-844, 989-991, 1109-1110, 1196-1198, 1301-1302	
Plague ..	56-58, 171-176, 264-266, 373-381, 579-580, 689-690, 792-795, 913-916, 1059-1060, 1154, 1243-1244	
Rabies ..	54-56, 169-171, 260-264, 372-373, 484, 568-579, 685-689, 791-792, 912-913, 1057-1059, 1238-1243	
Relapsing Fever and other Spirochaetoses ..	64-65, 184, 269-270, 388-390, 590-592, 697, 796-797, 931-933, 1065-1067, 1164-1166	
Reports and Surveys ..	234-240, 326-327, 441-442, 518-520, 656-661, 746-747, 856-859, 1009-1017, 1124-1125, 1205-1211, 1316-1319	
Sprue ..	92-97, 302-303, 507, 627-628, 718, 973-974, 1092-1093	
Toxoplasmosis ..	104-107, 215-220, 305-306, 429-430, 509-511, 634-637, 727-729, 834-835, 977-981, 1100-1104, 1190, 1291-1292	
Trypanosomiasis .. .. .	25-37, 150-159, 254-255, 356-361, 470-474, 542-553, 680-681, 777-782, 889-898, 1042-1047, 1147-1152, 1230-1231	
Typhus Group of Fevers ..	43-50, 163-166, 256-258, 362-370, 478-482, 561-565, 682-685, 785-789, 901-908, 1048-1154, 1233-1237	
Ulcer, Tropical .. .. .	986	
Venoms and Antivenenes ..	101-104, 212-214, 305, 426-429, 632-633, 724-727, 833-834, 976-977, 1098-1100, 1189, 1289-1291	
Yaws and other Treponematoses ..	65-67, 185-186, 488-489, 797-802, 933, 1166-1167	
Yellow Fever ..	51-53, 166-169, 258-260, 370-372, 482-484, 566-568, 789-791, 909, 1055-1056, 1237-1238	
Index of Authors or Sources .. .. .	1325	
Index of Subjects .. .. .	1368	
Index of Countries .. .. .	1420	

## ERRATA

SUMMARY OF RECENT ABSTRACTS, III. MALARIA, this *Bulletin*, 1954, v. 51, 331, para. 2, line 10, delete the word "sexual" and substitute "asexual".

DE MURO, this *Bulletin*, 1940, v. 37, 378, line 4, delete "half a gramme" and substitute "0.1 gm."

In the abstract of a note by REID, this *Bulletin*, 1953, v. 50, 434, and in the abstracter's comment on a note by KARTMAN, *ibid.*, 1954, v. 51, 200, reference is made to microfilariae of *W. bancrofti*. This is incorrect, as the work as described was carried out with *W. malayi*.

HEISH *et al.*, this *Bulletin*, 1954, v. 51, 264, in lines 12, 13 and 14, the figures in brackets refer to the number of tissue pools found infected and not to the number of individual rodents infected.